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TITLE: Barbiturate assay compositions and methods

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Brief Summary Text - BSTX:

Fluorescein analogs derivatized with primary or secondary amino groups, through which the analogs can be used to prepare analyte analogs useful as tracers in FPIA's, are known. Among these are fluorescein amine I (5-aminofluorescein), fluorescein amine II (6-aminofluorescein), 4'-aminomethylfluorescein, and 4'-(substituted amino)methyl fluoresceins. In this regard, see Anal. Biochem. (1987) 162, 89 (1987) and U.S. Pat. Nos. 4,614,823 and 4,510,251, all of which are incorporated herein by reference.

Brief Summary Text - BSTX:

Amino-derivatives of fluorescein are employed to make the tracers of the invention, by formation of an amide between the amino (primary or secondary) of the fluorescein derivative and the carbonyl of the carboxylate bonded to the R.sub.1 group of the tracer. Thus, Q.sub.1 in a tracer according to the invention can be, among others, fluorescein amine I

(5-aminofluorescein),
fluorescein amine II (6-aminofluorescein), or a fluorescein
substituted at the
4'-position with a group of formula X